

Product datasheet for **MR230920**

Adgrf4 (NM_001289500) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adgrf4 (NM_001289500) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adgrf4
Synonyms:	4632435A09Rik; AV239010; Gpr115
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR230920 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCCATGAAGCCCTGGATTGCCATGGTTGCTGTTAGTATTTTTCTGACAACAGAATGTTCTCATTCCAAC
CCAAGACTCACAGAAAAGATGAAGATAAATTTCAAATATCTCTACAGAAGCATGAGTTTAGACCAAGACA
GGGTAAATGTGATGGACTGTGCAGCTCTTCTTCCAGCTGTAACCAAGAGCTGTCCTTGGAACCTCCGTGGA
GAAATCGTATTCACATGTAATCAAAACAATGGCAAAAAACAATCGAAACATGCACAAGTCTCTCTGTGG
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CTTAATTGGCAATGCAGCACCAGTCCATATTGAAATGTATTTCAAGGAATCCAAAAGTACTGCCCCGAG
GACTACGTTTGCATTGTTGATGCTGTGAAATCCTCTGCAGTTACATCTGGAAATATTGCATTATAGTAG
AGTTATTAATAAATATCTCTTCAAACCTGCAAACCTTCTGGAATACATGATAATGTGAATTGGAAGAAAAT
GAAGAATATGGCAAAGTGGCCAACCATATCCTTGGCCCACTGCCATTTCAAATGGGCTTTCATTGCC
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AATCTGAGAGCATCGTAGATGAACCTTTATTCAGACGAAAGGCTCTCGTATCTCTCACAGTTCCCTCAGA
GCACAGCCTCAGCCTCTCTGTACCCAGGTACAATGCTACAGAAGATGCTTAGTGGTGATCGAAAATCCT
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TCCCTGTCTTCTGGATGCTCTTCAAAGCGTGTCTCATAGTCTATGGAATACTGGTTGTCTTCCGCAGGA
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CACTGTTACTGTCACAGAGCCTGGGAAGGCTACACCAGAAAAGATGCCTGTTGGCTTAATTGGAACCAA
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CAGTTGCTATCAACACACAGAGGCCCTTGATTGGCAGTTCAAATCTCAGGATATGGCCATTGTTTTAG
GATCAGCAAAAATGTTGCCATCCTACCCCACTTCTGGGACTGACCTGGGGTTTTGGTCTAAACCCCTG
CTAGAAGGCGTACACCTGGTATTCATATAATCTTCGCCTTGCTCAATGCTTTCCAGGGCTTTTTCATCT
TGCTGTTTGGTACCATTATGGATCAAGAATAAGAGATGCTCTGAGGATGAGGGTATCTTCATTGAAGGG
GAAATCAAGGGCAGCAGAGAAGGTGTCATTAAGTCCAGCCAATGGATCCAGAATACTGAATCGCACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR230920 protein sequence
Red=Cloning site Green=Tags(s)

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MKPWIAMVCLVFFLTTECSHSPKTHRKDEDKFQISLQKHEFRPRQGKCDGLCSSSSSCNQSCPWNFRG
EIVFTCNQNKWQKTIETCTSLVDTLFQRIHPAASLSLASSVFPMSLIGNAAPVHIGNVFQGIQKYCPE
DYVCIVDAVKSSAVTSGNIAFIVELLKNISSNLQTSGIHDNVNWKMKNYGKVANHILGPTAISNWFIA
NKNASSDLLESVNSFAKKLQIQKSESI VDELFIQTKGSRI SHSSSEHLSL SVPRYNATEDVLVVEIP
RQALQELSFNASQAI VVAFPTLGAILKEVHRPNTNLQKPIDDLILSLVLP EGLNEIILT FDKINKSQSTS
SQCVSWDPATGQWDESPCTVMSDINSTVKRCRHTKAVTSFSILMSSKPVKNTILNHITFIGLSISIFSL
VLCLVIEAIVWSRVVTEISYMRHVCIVNIAVSLLTANVWFIIGSNFSANVQEDHKWCVAVTF LCHFFFL
SLFFWMLFKALLIVYGILVVFRRMMKSRMAIGFAIGYGCP LVIIVITVTEPGEGYTRKDACLWNWNQ
TKALFAFAIPALAI VAVNLLVVLAVAVINTQRPLIGSSKSDMAIVFRISKNVAIL TPLLGLTWGFLTTL
LEGVHLVFHIIIFALLNAFQGGFILLFGTIMDHKIRDALRMRVSSSLK GKSRAAEKVSL SPANGSRILNR
    
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001289500

ORF Size: 2094 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001289500.1](#), [NP_001276429.1](#)

RefSeq Size: 2977 bp

RefSeq ORF: 2097 bp

Locus ID: 78249

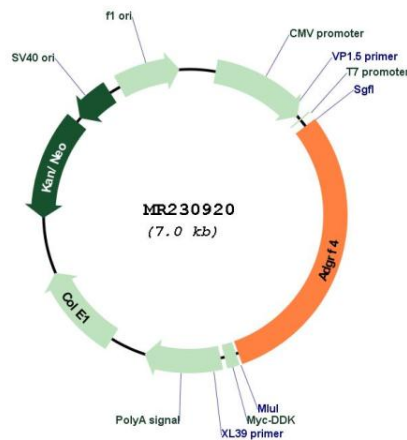
UniProt ID: [Q9D2L6](#)

Cytogenetics: 17 B3

MW: 77.4 kDa

Gene Summary: Orphan receptor.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR230920